

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete If Known Application Number      Unknown 10/189203 Filing Date      Even Date Herewith First Named Inventor      Forbes, Leonard Group Art Unit      Unknown 2815 Examiner Name      Unknown ECKER				
Sheet 1 of 11		Attorney Docket No: 303.356US4				

US PATENT DOCUMENTS						
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
gsc	US-3,792,465	02/12/1974	Collins, D. R., et al.	340	324 R	12/30/1971
	US-4,113,515	09/12/1978	Kooi, E., et al.	148	1.5	03/29/1976
	US-4,118,795	10/03/1978	Frye, R. C., et al.	365	222	08/27/1976
	US-4,384,349	05/17/1983	McElroy, D. J.	365	185.02	06/02/1980
	US-4,460,670	07/01/1984	Ogawa, , et al.	430	57	11/19/1982
	US-4,462,150	07/31/1984	Nishimura, H., et al.	29	576 B	09/16/1982
	US-4,473,836	09/25/1984	Chamberlain, S. G.	357	30	05/03/1982
	US-4,507,673	03/26/1985	Aoyama, Masaharu , et al.	357	23 R	09/21/1983
	US-4,598,305	07/01/1986	Chiang, A., et al.	357	23.7	06/18/1984
	US-4,657,699	04/01/1987	Nair,	252	513	12/17/1984
	US-4,736,317	04/05/1988	Hu, M., et al.	364	200	07/17/1985
	US-4,738,729	04/01/1998	Yoshida, , et al.	136	258	01/27/1987
	US-4,768,072	08/30/1988	Seki, Y., et al.	357	29	10/02/1986
	US-4,769,686	09/06/1988	Horiuchi, Masatuda , et al.	357	23.8	06/19/1987
	US-4,816,883	03/28/1989	Baldi, Livio	357	23.5	06/22/1987
	US-4,841,349	06/20/1989	Nakano, M.	357	30	10/28/1987
	US-4,849,797	07/18/1989	Ukai, Yasuhiro , et al.	357	237	01/20/1988
	US-4,893,273	01/09/1990	Usami,	365	185	03/21/1986
	US-4,897,710	01/30/1990	Suzuki, A., et al.	357	71	08/18/1997
	US-4,980,303	12/25/1990	Yamauchi, T.	437	31	08/18/1988
	US-4,994,401	02/19/1991	Ukai, Y.	437	40	03/26/1990
	US-5,049,950	09/17/1991	Fujii, Yoshihisa , et al.	357	2	08/09/1990
	US-5,111,430	05/05/1992	Morie,	365	185	06/21/1990
	US-5,145,741	09/01/1992	Quick,	428	402	02/28/1991
	US-5,189,504	02/23/1993	Nakayama, S., et al.	257	422	01/30/1992
	US-5,235,195	08/10/1993	Tran, N. T., et al.	257	59	10/19/1992
	US-5,260,593	11/09/1993	Lee, R. R.	257	316	12/10/1991
	US-5,293,560	03/08/1994	Harari, E.	365	185	11/03/1992
	US-5,298,796	03/29/1994	Tawel, Raoul	307	201	07/08/1992
	US-5,317,535	05/31/1994	Talreja, Sanjay S., et al.	365	185	06/19/1992
	US-5,336,361	08/09/1994	Tamura, A., et al.	438	767	11/02/1992
	US-5,360,491	11/01/1994	Carey, P G., et al.	136	256	04/07/1993
	US-5,367,306	11/22/1994	Hollon, , et al.	342	386	06/04/1993
	US-5,369,040	11/29/1994	Halvis, J., et al.	437	3	04/12/1993
	US-5,371,383	12/06/1994	Miyata, K., et al.	257	77	05/14/1993
gsc	US-5,388,069	02/07/1995	Kokubo, Masaya	365	185	03/18/1993

EXAMINER

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DATE CONSIDERED

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete if Known <b>Application Number</b> Unknown 10789203 <b>Filing Date</b> Even Date Herewith <b>First Named Inventor</b> Forbes, Leonard <b>Group Art Unit</b> Unknown 2815 <b>Examiner Name</b> Unknown ECKER				
Sheet 2 of 11		Attorney Docket No: 303.356US4				

924	US-5,393,999	02/28/1995	Malhi, S.	257	289	06/09/1994
	US-5,407,845	04/18/1995	Nasu, Y., et al.	437	40	10/13/1993
	US-5,409,501	04/25/1995	Zauns-Huber, R., et al.	8	94.29	07/06/1992
	US-5,415,126	05/16/1995	Loboda, , et al.	117	88	08/16/1993
	US-5,424,993	06/13/1995	Lee, Roger R., et al.	365	218	11/15/1993
	US-5,425,860	06/20/1995	Truher, J. B., et al.	204	192.23	04/07/1993
	US-5,438,544	08/01/1995	Makino, Takami	365	185	01/28/1994
	US-5,441,901	08/15/1995	Candelaria, J.	437	31	06/10/1994
	US-5,449,941	09/12/1995	Yamazaki, Shumpei , et al.	257	411	10/27/1992
	US-5,455,432	10/03/1995	Hartsell, M. L., et al.	257	77	10/11/1994
	US-5,465,249	11/07/1995	Cooper Jr., James A., et al.	365	149	11/26/1991
	US-5,467,306	11/14/1995	Kaya, Cetin , et al.	365	185.2	10/04/1993
	US-5,477,485	12/19/1995	Bergemont, , et al.	365	185.24	02/22/1995
	US-5,493,140	02/20/1996	Iguchi, Katsuji	257	316	06/21/1994
	US-5,508,543	04/16/1996	Hartstein, Allan M., et al.	257	314	04/29/1994
	US-5,530,581	06/25/1996	Cogan, S. F.	359	265	05/31/1995
	US-5,557,114	09/17/1996	Leas, J. M., et al.	257	59	01/12/1995
	US-5,557,122	09/17/1996	Shrivastava, R. , et al.	257	309	05/12/1995
	US-5,562,769	10/08/1996	Dreifus, .., et al.	117	86	02/22/1995
	US-5,580,380	12/03/1996	Liu, , et al.	117	86	01/30/1995
	US-5,604,357	02/18/1997	Hori, Takashi	257	24	07/11/1995
	US-5,623,160	04/22/1997	Liberkowski, J. B.	257	621	09/14/1995
	US-5,623,442	04/22/1997	Gotou, Hiroshi , et al.	365	185.08	06/08/1994
	US-5,629,222	05/13/1997	Yamazaki, Shumpei , et al.	438	259	04/28/1995
	US-5,654,208	08/05/1997	Harris, C. , et al.	438	522	05/08/1995
	US-5,661,312	08/26/1997	Weitzel, C. E., et al.	257	77	03/30/1995
	US-5,670,790	09/23/1997	Katoh, , et al.	257	14	09/19/1996
	US-5,672,889	09/30/1997	Brown,	257	77	
	US-5,698,869	12/16/1997	Yoshimi, M , et al.	257	192	09/13/1995
	US-5,714,766	02/03/1998	Chen, , et al.	257	20	09/29/1995
	US-5,719,410	02/17/1998	Suehiro, S. , et al.	257	77	12/16/1996
	US-5,734,181	03/31/1998	Ohba, R. , et al.	257	77	05/20/2002
	US-5,740,104	04/14/1998	Forbes, Leonard	365	185.03	01/29/1997
	US-5,754,477	05/19/1998	Forbes, Leonard	365	185.33	01/29/1997
	US-5,786,250	07/28/1998	Wu, Zhiqiang , et al.	438	254	03/14/1997
	US-5,789,276	08/04/1998	Leas, J. M., et al.	438	59	12/08/1995
924	US-5,798,548	08/25/1998	Fujiwara, H.	257	319	05/17/1996

EXAMINER

*J. Eckert*

DATE CONSIDERED

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete if Known				
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		First Named Inventor	Forbes, Leonard			
		Group Art Unit	Unknown 2815			
		Examiner Name	Unknown ECKER			
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926	US-5,801,401	09/01/1998	Forbes, Leonard	257	77	01/29/1997
	US-5,808,336	09/15/1998	Miyawaki, M.	257	315	05/05/1995
	US-5,828,101	10/27/1998	Endo, K.	257	330	03/25/1996
	US-5,846,859	12/08/1998	Lee, Sang-in	438	253	02/23/1996
	US-5,858,811	01/12/1999	Tohyama, S.	438	75	01/15/1997
	US-5,861,346	01/19/1999	Hamza, A. , et al.	438	869	07/27/1995
	US-5,877,041	03/02/1999	Fuller, R. T.	438	105	06/30/1997
	US-5,886,368	03/23/1999	Forbes, Leonard , et al.	257	77	07/29/1997
	US-5,886,376	03/23/1999	Acovic, A. , et al.	257	316	07/01/1996
	US-5,886,379	03/23/1999	Jeong, H.	257	319	01/27/1997
	US-5,898,197	04/27/1999	Fujiwara, Hideaki	257	317	06/03/1997
	US-5,907,775	05/25/1999	Tseng, H.	438	261	04/11/1997
	US-5,912,837	06/15/1999	Lakhani,	365	185.02	10/28/1996
	US-5,926,740	07/20/1999	Forbes, Leonard , et al.	438	763	10/27/1997
	US-5,976,926	11/02/1999	Wu, J. Z., et al.	438	237	10/10/1997
	US-5,989,958	11/23/1999	Forbes, Leonard	438	257	08/20/1998
	US-6,031,263	02/29/2000	Forbes, et al.			
	US-6,018,166	01/25/2000	Lin, K. , et al.	257	22	07/30/1998
	US-6,034,001	03/07/2000	Shor, J. S., et al.	438	931	02/17/1994
	US-6,075,259	06/13/2000	Baliga, B. J.	257	77	07/13/1999
	US-6,084,248	07/04/2000	Inoue, S.	257	66	02/03/1998
	US-6,093,937	07/25/2000	Yamazaki, S. , et al.	257	59	02/19/1997
	US-6,099,574	08/08/2000	Fukuda, S. , et al.	703	14	12/16/1997
	US-6,100,193	08/08/2000	Suehiro, S. , et al.	438	685	09/24/1997
	US-6,130,147	10/10/2000	Major, J.S. , et al.	438	604	03/18/1997
	US-6,144,581	11/07/2000	Diorio, C. J., et al.	365	185.03	11/30/1998
	US-6,163,066	12/19/2000	Forbes, L. , et al.	257	632	08/24/1998
	US-6,166,401	12/26/2000	Forbes, L.	257	77	08/20/1998
	US-6,271,566	08/07/2001	Tsuchiaki, M.	257	347	11/16/1999
	US-6,297,521	10/02/2001	Forbes, L. , et al.	257	76	08/14/1998
	US-6,307,775	10/23/2001	Forbes, Leonard , et al.	365	185.01	08/27/1998
	US-6,309,907	10/30/2001	Forbes, Leonard , et al.	438	108	08/21/1998
926	US-6,365,919	04/02/2002	Tihanyi, J. , et al.	257	77	07/11/2000

EXAMINER

*JSC Schuler*

DATE CONSIDERED

1/31/05

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		<b>First Named Inventor</b>	Forbes, Leonard
		<b>Group Art Unit</b>	Unknown 2815
		<b>Examiner Name</b>	Unknown ECKER
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>
9K	EP-0291951	08/04/1993	Takashi, I.	H01L	29/64	
	EP-0681333	11/08/1995	Tischler, M. A., et al.	H01L	29/788	
	JP-01-115162	05/08/1989	Hirao, T., et al.	H01L	29/78	
	JP-03-222367	10/01/1991	Oyama, Yashushi	H01L	29/784	
	JP-04-056769	02/24/1992	Futaki, T., et al.	C23C	16/32	
	JP-06-224431	08/12/1994	Nakada, Yukihiko, et al.	H01L	29/784	
	JP-06-302828	10/28/1994	Ickikawa, Yohei, et al.	H01L	29/788	
	JP-07-115191	05/02/1995	Karuyankumaaru, D.	H01L	29/78	
	JP-07-226507	08/22/1995	Nakaishi,	H01L	29/78	
	JP-08-255878	10/01/1996	Sugita, Y	H01L	27/10	
	JP-08-255878-TR	10/01/1996	Sugita, Y., et al.	H01L	27/10	
	JP-2203564	08/13/1990	Fujii, Y., et al.	H01L	29/46	
	JP-57-126175	08/05/1982	Hamakawa, Y., et al.	H01L	31/04	
	JP-60-024678	02/07/1985	Akio, Nakatani	G06K	9/36	
	JP-60-184681	09/20/1985	Yamashita,	C23C	16/30	
	JP-60-242678	12/02/1985	Takeshita,	H01L	29/73	
	JP-62-122275	06/03/1987	Yamamoto, H., et al.	H01L	27/78	
	JP-63-181473	07/26/1988	Ukai, Y.	H01L	29/78	
	JP-63-219172	09/12/1988	Aoki, S., et al.	H01L	29/78	
9K	JP-63-289960	11/28/1988	Ito, T.	H01L	29/64	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
9K		AKASAKI, I., "Effects of AlN Buffer Layer on Crystallographic Structure and on Electrical and Optical Properties of GaN and Ga(1-x)Al(x)N [0< x (< or =) 0.4] Films Grown on Sapphire Substrate by MOVPE", <i>Journal of Crystal Growth</i> , 98, (1989), 209-219	
9K		ALOK, D., et al., "Electrical Properties of Thermal Oxide Grown on N-type 6H-Silicon Carbide", <i>Applied Physics Letters</i> , 64, (May 23, 1994), 2845-2846	
9K		ANDRIEUX, M., et al., "Interface and Adhesion of PACVD SiC Based Films on Metals", <i>Suppl. "Le Vide: science, technique et applications</i> , 279, (1996), 212-214	

EXAMINER

*JK Elbert*

DATE CONSIDERED 1/31/05

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete if Known <b>Application Number</b> Unknown 101789203 <b>Filing Date</b> Even Date Herewith <b>First Named Inventor</b> Forbes, Leonard <b>Group Art Unit</b> Unknown 2815 <b>Examiner Name</b> Unknown Eckert	
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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
974		BACHMANN, P. , et al., "Influence on Surface Modifications on the Electronic Properties of CVD Diamond Films", <u>Diamond and Related Materials</u> , 5, (1996),1378-1383	
		BAGLEE, D. , "Characteristics & Reliability of 100 Angstrom Oxides", <u>IEEE 22nd Annual Proc : Reliability Physics</u> , Las Vegas,(April 3-5, 1984),152-155	
		BEHEIM, G. , et al., "Magnetron Plasma Etching of SiC for Microstructures", <u>Proc: SPIE - Integrated Optics and Microstructures III</u> , San Jose, CA,(Jan 29, 1996),82-86	
		BELTRAM, F. , et al., "GaAlAs/GaAs Floating-Gate Memory Devices with Graded-Gap Injector Grown by Molecular-Beam Epitaxy", <u>IEEE Transactions on Electron Devices</u> , 35, Abstract No. VA-7,(Dec. 1988),2451	
		BELTRAM, F. , et al., "Memory phenomena in heterojunction structures: Evidence for suppressed thermionic emission", <u>Appl. Phys. Lett.</u> , 53(5), (1988),pp. 376-378	
		BENGTSSON, S. , et al., "Applications of Aluminum Nitride Films Deposited by Reactive Sputtering to Silicon-On-Insulator Materials", <u>Japanese J. Applied Physics</u> , 35, (1996),4175-4181	
		BENJAMIN, M. , "UV Photoemission Study of Heteroepitaxial AlGaN Films Grown on 6H-SiC", <u>Applied Surface Science</u> , 104/105, (September 1996),455-460	
		BERMUDEZ, V. , "The Growth and Properties of Al and AlN Films on GaN(0001)-(1 x 1)", <u>Journal of Applied Physics</u> , 79(1), (January 1996),110-119	
		BOERINGER, DANIEL W. , et al., "Avalanche amplification of multiple resonant tunneling through parallel silicon microcrystallites", <u>Physical Rev. B</u> , 51, (1995),13337-13343	
		BURNS, S. G., et al., In: <u>Principles of Electronic Circuits</u> , West Publishing Company, St. Paul, MN,(1987),382-383	
		CAPASSO, F. , et al., "New Floating-Gate AlGaAs/GaAs Memory Devices with Graded-Gap Electron Injector and Long Retention Times", <u>IEEE Electron Device Letters</u> , (1988),pp. 377-379	
		CASEY, H. , et al., "Low Interface Trap Density for Remote Plasma Deposited SiO <sub>2</sub> on n-type GaN", <u>Applied Phys. Lett.</u> , 68, (March 1996),1850-1852	
		CHANG, C. , "Novel Passivation Dielectrics-The Boron- or Phosphorus-Doped Hydrogenated Amorphous Silicon Carbide Films", <u>Journal of the Electrochemical Society</u> , 132, (Feb. 1985),418-422	
		CHOI, J. , et al., "Effect of Deposition Conditions and Pretreatments on the Microstructure of MPECVD Diamond Thin Films", <u>Materials Chemistry and Physics</u> , 45, (1996),176-179	
974		CLARKE, G. , et al., "The Infrared Properties of Magnetron-Sputtered Diamond-Like Thin Films", <u>Thin Solid Films</u> , 280, (1996),130-135	

EXAMINER

*J McElhurt*

DATE CONSIDERED 1/31/05

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i>		
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		Group Art Unit	Unknown	2815
		Examiner Name	Unknown	ECKER
Sheet 6 of 11		Attorney Docket No: 303.356US4		

91e		COMPAGNINI, G. , et al., "Spectroscopic Characterization of Annealed Si(1-x)C(x) Films", <u>J. Materials Res.</u> , 11, (Sept. 1996),2269-2273	
1		DARTNELL, N. , et al., "Reactive Ion Etching of Silicon Carbide (Si(x)C(1-x))", <u>Vacuum</u> , 46, (1995),349-355	
		DEMICHELIS, F. , "Influence of Doping on the Structural and Optoelectronic Properties of Amorphous and Microcrystalline Silicon Carbide", <u>Journal of Applied Physics</u> , 72, (Aug. 15, 1992),1327-1333	
		DEMICHELIS, F. , "Physical Properties of Undoped and Doped Microcrystalline SiC:H Deposited By PECVD", <u>Materials Research Society Symposium Proceedings</u> , 219, Anaheim, CA,(4/30 - 5/3, 1991),413-418	
		DIPERT, BRIAN , "Flash Memory Goes Mainstream", <u>IEEE Spectrum</u> , 30(10), (October 1993),48-52	
		EDELBERG, E. , et al., "Visible Luminescence from Nanocrystalline silicon films produced by plasma enhanced chemical vapor deposition", <u>Appl. Phys. Lett.</u> , 68, (1996),1415-1417	
		FISSEL, A. , et al., "Epitaxial Growth of SiC Thin Films on Si-stabilized alpha-SiC (0001) at Low Temperatures by Solid-source Molecular Beam Epitaxy", <u>Journal of Crystal Growth</u> , 154, (1995),72-80	
		FRIEDRICH, P. , et al., "Interface Properties of Metal-Oxide-Semiconductor Structures on N-Type 6H and 4H-SiC", <u>J. Applied Physics</u> , 79, (May 15, 1996),7814-7819	
		FUJII, T. , et al., "Bonding Structures in Highly Photoconductive a-SiC:H Films Deposited by Hybrid-Plasma Chemical Vapor Deposition", <u>Journal of Non-Crystalline Solids</u> , 198-200, (1996),577-581	
		GOETZBERGER, A. , et al., <u>Applied Solid State Science: Advances in Materials and Device Research</u> , R. Wolfe, ed., Academic Press, New York,(1969),Including pg. 233	
		GRAUL, J. , et al., "Growth Mechanism of Polycrystalline beta-SiC Layers on Silicon Substrate", <u>Applied Phys. Lett.</u> , 21, (July 1972),67-69	
		HAMAKAWA, Y. , et al., "Optoelectronics and Photovoltaic Applications of Microcrystalline SiC", <u>Materials Research Society Symposium Proceedings</u> , 164, Boston, MA,(11/29-12/1, 1989),291-301	
		HE, Z. , et al., "Ion-beam-assisted Deposition of Si-carbide Films", <u>Thin Solid Films</u> , 260, (1995),32-37	
		HU, G. , et al., "Will Flash Memory Replace Hard Disk Drive?", <u>1994 IEEE International Electron Device Meeting</u> , Panel Discussion, Session 24, Outline,(Dec. 1994),2 pages	
		HWANG, J. , et al., "High Mobility beta-SiC Epilayer Prepared by Low-pressure Rapid Thermal Chemical Vapor Deposition on a (100) Silicon Substrate", <u>Thin Solid Films</u> , 272, (1996),4-6	
		HYBERTSEN, MARK S., "Absorption and Emission of Light in Nanoscale Silicon Structures", <u>Phys. Rev. Lett.</u> , 72, (1994),1514-1517	
91e		JOU, S. , et al., "Electron Emission Characterization of Diamond Thin Films Grown from a Solid Carbon Source", <u>Thin Solid Films</u> , 280, (1996),256-261	

EXAMINER

*91e Eckert*

DATE CONSIDERED 1/31/05

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Group Art Unit	Unknown- 2815												
Examiner Name	Unknown- ECKER												
		Attorney Docket No: 303.356US4											
Sheet 7 of 11													

972		<p>KATO, MASATAKA , et al., "Read-Disturb Degradation Mechanism due to Electron Trapping in the Tunnel Oxide for Low-voltage Flash Memories", <u>IEEE Electron Device Meeting</u>, (1994),45-48</p>	
		<p>KOTHANDARAMAN, M. , et al., "Reactive Ion Etching of Trenches in 6H-SiC", <u>J. Electronic Materials</u>, 25, (1996),875-878</p>	
		<p>KUMBHAR, A. , et al., "Growth of Clean Amorphous Silicon-Carbon Alloy Films by Hot-Filament Assisted Chemical Vapor Deposition Technique", <u>Applied Phys. Lett.</u>, 66, (April 1995),1741-1743</p>	
		<p>LAKSHMI, E. , et al., "Interface-State Characteristics of GaN/GaAs MIS Capacitors", <u>Solid-State Electronics</u>, 25, (1982),811-815</p>	
		<p>LAU, S. , et al., "Optoelectronic Properties of Highly Conductive Microcrystalline SiC Produced by Laser Crystallization of Amorphous SiC", <u>J. of Non-Crystalline Solids</u>, 198-200, (1996),907-910</p>	
		<p>LEGGIERI, G. , et al., "Laser Ablation Deposition of Silicon Carbide Films", <u>Applied Surface Science</u>, 96-98, (1996),866-869</p>	
		<p>LEI, T. , "Epitaxial Growth and Characterization of Zinc-Blende Gallium Nitride on (001) Silicon", <u>Journal of Applied Physics</u>, 71(10), (May 1992),4933-4943</p>	
		<p>LIN, B. , et al., "Dramatic Reduction of Sidegating in MODFET's", <u>IEEE Transactions on Electron Devices</u>, 35, Abstract No. VA-6,(1988),pg. 2451</p>	
		<p>LIU, J. , et al., "Formation of SiC Films on Silicon Field Emitters", <u>Materials Res. Soc. Symp. Proc.</u>, 311, San Francisco, CA,(April 13-15, 1993),</p>	
		<p>LIU, J. , et al., "Modification of Si Field Emitter Surfaces by Chemical Conversion to SiC", <u>J. Vac. Sci. Technology</u>, B 12, (1994),717-721</p>	
		<p>LOTT, J. , et al., "Anisotropic thermionic emission of electrons contained in GaAs/AlAs floating gate device structures", <u>Appl. Phys. Lett.</u>, 55(12), (1989),pp. 1226-1228</p>	
		<p>LOTT, J. A., et al., "Charge Storage in InAlAs/InGaAs/InP Floating Gate Heterostructures", <u>Electronics Letters</u>, 26, (July 5, 1990),972-973</p>	
		<p>LUO, J. , et al., "Localized Epitaxial Growth of Hexagonal and Cubic SiC Films on Si by Vacuum Annealing", <u>Applied Phys. Lett.</u>, 69, (Aug. 1996),916-918</p>	
		<p>MARTINS, R. , "Transport Properties of Doped Silicon Oxycarbide Microcrystalline Films Produced by Spatial Separation Techniques", <u>Solar Energy Materials and Solar Cells</u>, 41-42, (1996),493-51.7</p>	
		<p>MARTINS, R. , "Wide Band Gap Microcrystalline Silicon Thin Films", <u>Diffusion and Defect Data : Solid State Phenomena</u>, 44-46, Part 1, Scitec Publications,(1995),299-346</p>	
		<p>MAURY, F. , et al., "Chemical Vapor Co-Deposition of C and SiC at Moderate Temperature for the Synthesis of Compositionally Modulated Si(x)C(1-x) Ceramic Layers", <u>Surface and Coatings Technology</u>, 76-77, (1995),119-125</p>	
		<p>MCLANE, G. , et al., "High Etch Rates of SiC in Magnetron Enhanced SF(6) Plasmas", <u>Applied Phys. Lett.</u>, 68, (June 1996),3755-3757</p>	
972		<p>MOGAB, C. , et al., "Conversion of Si to Epitaxial SiC by Reaction with C(2)H(2)", <u>J. Applied Physics</u>, 45, (March 1974),1075-1084</p>	

EXAMINER

*YSC Ecker*

DATE CONSIDERED 1/31/05

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<i>Complete if Known</i> <b>Application Number</b> Unknown 101789203 <b>Filing Date</b> Even Date Herewith <b>First Named Inventor</b> Forbes, Leonard <b>Group Art Unit</b> Unknown 2815 <b>Examiner Name</b> Unknown ECKER	
Sheet 8 of 11		Attorney Docket No: 303.356US4	

<i>JK</i>	MOHAMMAD, S. N., et al., "Emerging Gallium Nitride Based Devices", <u>Proceedings of the IEEE</u> , 83, (Oct. 1995),1306-1355	
	MOLNAR, R. , "Growth of Gallium Nitride by Electron-Cyclotron Resonance Plasma-Assisted Molecular-Beam Epitaxy: The Role of Charged Species", <u>Journal of Applied Physics</u> , 76(8), (October 1994),4587-4595	
	MULLER, K. , et al., "Trench Storage Node Technology for Gigabit DRAM Generations", <u>Digest IEEE International Electron Devices Meeting</u> , San Francisco, CA,(Dec. 1996),507-510	
	NAKAMURA, J. , et al., "CMOS Active Pixel Image Sensor with Simple Floating Gate Pixels", <u>IEEE Transactions on Electron Devices</u> , 42, (1995),1693-1694	
	NEMANICH, P. , et al., "Diamond Negative Electron Affinity Surfaces, Structures and Devices", <u>Proc. : Third International Conference on Applications of Diamond Films and Related Materials</u> , 1, Gaithersburg, MD,(1995),17-24	
	NEMANICH, R. , et al., "Negative Electron Affinity Surfaces of Aluminum Nitride and Diamond", <u>Diamond and Related Materials</u> , 5, (1996),790-796	
	NEUDECK, P. , et al., "Electrical Characterization of a JFET-Accessed GaAs Dynamic RAM Cell", <u>IEEE Electron Device Letters</u> , 10(11), (1989),pp. 477-480	
	NG, K. , In: <u>Complete Guide To Semiconductor Devices</u> , McGraw-Hill, Inc. New York,(1995),pp. 322-328, 605-608	
	OUYANG, M. , et al., "Deposition of Diamond-Like Carbon Films via Excimer Laser Ablation of Polybutadiene", <u>Materials Science and Engineering</u> , B39, (1996),228-231	
	PANKOVE, J. , "Photoelectric Emission", In: <u>Optical Processes in Semiconductors</u> , Dover Publications Inc., New York,(1971),287-301	
	PANKOVE, J. , "Photoemission from GaN", <u>Applied Physics Letters</u> , 25, (1974),53-55	
	PAPADAS, C. , "Modeling of the Intrinsic Retention Characteristics of FLOTOX EEPROM Cells Under Elevated Temperature Conditions", <u>IEEE Transaction on Electron Devices</u> , 42, (April 1995),678-682	
	PATUWATHAVITHANE, C. , et al., "Oxidation Studies for 6H-SiC", Proc: 4th Int. Conf. on Amorphous and Crystalline Silicon Carbide IV, Santa Clara, CA,(Oct. 9-11, 1991),163-169	
	PEREYRA, I. , et al., "Wide Gap a-Si(1-x)C(x): H Thin Films Obtained Under Starving Plasma Deposition Conditions", <u>J. Non-Crystalline Solids</u> , 201, (1996),110-118	
	POLLACK, S. , "Electron Transport Through Insulating Thin Films", <u>Appl. Solid-State Science</u> , 1, (1969),345-355	
	PRENDERGAST, JIM , "FLASH or DRAM: Memory Choice for the Future", <u>IEEE Electron Device Meeting</u> , Session 25, Phoenix, AZ,(1995),	
	QIAN, Q. , et al., "Multi-Day Dynamic Storage of Holes at the AlAs/GaAs Interface", <u>IEEE Electron Device Letters</u> , EDL-7(11), (1986),pp. 607-609	
<i>JK</i>	RAHMAN, M. , et al., "Preparation and Electrical Properties of An Amorphous SiC/ Crystalline Si p(+)n Heterostructure", <u>Japanese J. Applied Physics</u> , 23, (May 1984),515-524	

---

EXAMINER*JK Eckert*

DATE CONSIDERED

1/31/05

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>Unknown- 10/189203</td> </tr> <tr> <td>Filing Date</td> <td>Even Date Herewith</td> </tr> <tr> <td>First Named Inventor</td> <td>Forbes, Leonard</td> </tr> <tr> <td>Group Art Unit</td> <td>Unknown 2815</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown ECKER</td> </tr> </table>		Application Number	Unknown- 10/189203	Filing Date	Even Date Herewith	First Named Inventor	Forbes, Leonard	Group Art Unit	Unknown 2815	Examiner Name	Unknown ECKER
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Group Art Unit	Unknown 2815												
Examiner Name	Unknown ECKER												
		Attorney Docket No: 303.356US4											
Sheet 9 of 11													

92	RENLUND, G , et al., "Silicon Oxycarbide Glasses: Part I. Preparation and Chemistry", <u>Journal of Materials Research</u> , 6, (December 1991),2716-2722	
	RENLUND, G. , "Silicon Oxycarbide Glasses: Part II. Structure and Properties", <u>Journal of Materials Research</u> , 6, (December 1991),2723-2734	
	RUSKA, W. S., "Microelectronic Processing", McGraw-Hill Book Co., (1987),281	
	SAKATA, I. , et al., "Amorphous Silicon/Amorphous Silicon Carbide Heterojunctions Applied to Memory Device Structures", <u>Electronics Letters</u> , 30(9), (1994),688-689	
	SCHMIDT, I. , et al., "Low Temperature Diamond Growth Using Fluorinated Hydrocarbons", <u>Diamond and Related Materials</u> , 5, (1996),1318-1322	
	SCHOENFELD, O. , et al., "Formation of Si Quantum dots in Nanocrystalline silicon", <u>Proc. 7th Int. Conf. on Modulated Semiconductor Structures</u> , Madrid, (1995),605-608	
	SERRE, C. , et al., "Ion-Beam Synthesis of Amorphous SiC Films: Structural Analysis and Recrystallization", <u>J. Appl. Phys.</u> , 79, (May 1996),6907-6913	
	SHARMA, B. , et al., "Heterojunction Devices", In: <u>Semiconductor Heterojunctions</u> , Pergamon Press, New York,(1974),pp. 133-137	
	SIM, S. , et al., "A New Planar Stacked Technology (PST) for Scaled and Embedded DRAMs", <u>Digest IEEE Int. Electron Devices Meeting</u> , San Francisco, CA,(Dec. 1996),504-507	
	STREETMAN, B. , In: <u>Solid State Electronic Devices</u> , 4th Edition, Prentice Hall, New Jersey,(1995),pp. 217-219, 392-394	
	SUZAKI, Y , et al., "Quantum Size Effects of a-Si(:H)/a-SiC(:H) Multilayer Films Prepared by rf Sputtering"; <u>Abstracts of Papers Published in the Int. J. Japanese Soc. for Precision Engineering</u> , 28, Abstract of Paper in vol. 60,(June 1994),182	
	SVIRKOVA, N. , et al., "Deposition Conditions and Density-of-States Spectrum of a-Si(1-x)C(x) :H Films Obtained by Sputtering", <u>Semiconductors</u> , 28, (Dec. 1994),1164-1169	
	SZE, S. , <u>Physics of Semiconductors</u> , 2nd Edition., John Wiley & Sons, Pub., New York, ISBN 0471056618,(1981),	
	SZE, S. M., In: <u>Physics of Semiconductor Devices</u> . 2nd Edition, John Wiley & Sons, New York,(1981),pp.122-129,700-703, 708-710,763-765	
	SZE, S. M., In: <u>Physics of Semiconductor Devices</u> , Wiley-Interscience, New York,(1969),p. 496-497	
	TARUI, Y. , "Flash Memory Features Simple Structure, Superior Integration", <u>JEE</u> , 30, (Sept. 1993),84-87	
	TENHOVER, M. , et al., "DC-Magnetron Sputtered Silicon Carbide", <u>Materials Res. Soc. Symp. Proc.</u> , 356, Boston, MA,(11/28-12/02, 1994),227-232	
	THOMAS, J. , et al., "Plasma Etching and Surface Analysis of a-SiC :H Films Deposited by Low Temperature Plasma Enhanced Chemical Vapor Deposition", <u>Materials Res. Soc. Symp. Proc.</u> , 334, Boston, MA,(11/29-12/02, 1993),445-450	
92	TIWARI, S. , et al., "A silicon nanocrystal based memory", <u>Appl. Physics Lett.</u> , 68, (1996),1377-1379	

EXAMINER

*JKSchmitz*

DATE CONSIDERED

1/31/05

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete if Known <b>Application Number</b> Unknown 101789203 <b>Filing Date</b> Even Date Herewith <b>First Named Inventor</b> Forbes, Leonard <b>Group Art Unit</b> Unknown 2815 <b>Examiner Name</b> Unknown ECKER	
Sheet 10 of 11		Attorney Docket No: 303.356US4	

<i>DG</i>		TIWARI, SANDIP , "Volatile and Non-Volatile Memories in Silicon with Nano-Crystal Storage", <u>Int'l Electron Devices Meeting: Technical Digest</u> , Washington, DC,(Dec. 1995),521-524	
		TSU, RAPHAEL , et al., "Slow Conductance oscillations in nanoscale silicon clusters of quantum dots", <u>Appl. Phys. Lett.</u> , 65, (1994),842-844	
		TSU, R. , et al., "Tunneling in Nanoscale Silicon Particles Embedded in an a-SiO <sub>2</sub> Matrix", <u>Abstract, IEEE Device Research Conference</u> , (1996),pp. 178-179	
		TUCKER, C. , et al., "Ion-beam-assisted Deposition of Nonhydrogenated a-Si:C Films", <u>Can. J. Physics</u> , 74, (1996),97-101	
		VAN DER WEIDE, J , et al., "Negative-electron-affinity Effects on the Diamond (100) Surface", <u>Physical Review B [Condensed Matter]</u> , 50, (Aug. 15, 1994),5803-5806	
		VODAKOV, Y. , et al., "Diffusion and Solubility of Impurities in Silicon Carbide", In: <u>Silicon Carbide</u> , R.C. Marshall, et al., eds., Univ. of South Carolina Press,(1973),508-519	
		WAHAB, Q. , et al., "3C-SiC / Si / 3C-SiC Epitaxial Trilayer Films Deposited on Si (111) Substrates by Reactive Magnetron Sputtering", <u>J. Materials Res.</u> , 10, (June 1995),1349-1351	
		WATANABE, A. , et al., "SiC Thin Film Preparation by ArF Excimer Laser Chemical Vapor Deposition. Part 1: Rate of Photolysis of Alkylsilanes by ArF Excimer Laser and their Decomposition Products", <u>Thin Solid Films</u> , 274, (1996),70-75	
		WOLF, S. , <u>Silicon Processing for the VLSI Era</u> , Vol. 3, Lattice Press, Sunset Beach, CA,(1995),311-312	
		WOLF, S. , "Semiconductor Memory Process Integration", <u>Silicon Processing for The VLSI Era</u> , Volume 2: Process Integration, (1990),pp. 623-628	
		WOLTER, S. , et al., "Textured Growth of Diamond on Silicon via in situ Carburization and Bias-Enhanced Nucleation", <u>Appl. Phys. Lett.</u> , 62, (March 1993),1215-1217	
		WU, K. , et al., "The Growth and Characterization of Silicon/Silicon Carbide Heteroepitaxial Films on Silicon Substrates by Rapid Thermal Chemical Vapor Deposition", <u>Japanese J. Appl. Phys.</u> , 35, (1996),3836-3840	
		YAMAGUCHI, Y. , et al., "Properties of Heteroepitaxial 3C-SiC Films Grown by LPCVD", <u>Digest of Tech. Papers: 8th Int. Conf. on Solid-State Sensors and Actuators and Eurosensors IX</u> , vol. 2, Stockholm, Sweden,(June 1995),190-193	
		YAMANASHI, H. , et al., "Deposition of Silicon Compound Thin Films in DC Discharge Plasma Using Hydrogen-Hexamethyldisilane Gas Mixture", <u>Proc.: Int. Symp. on Surfaces and Thin Films of Electronic Materials</u> . Bull. of the Res. Institute of Electronics, Shizuoka University, 30, (1995),95-98	
		YE, QIU-YI , et al., "Resonant Tunneling via Microcrystalline-silicon quantum confinement", <u>Physical Rev. B</u> , 44, (1991),1806-1811	
<i>JK</i>		YEE, A. , et al., "The Effect of Nitrogen on Pulsed Laser Deposition of Amorphous Silicon Carbide Films: Properties and Structure", <u>J. Materials Research</u> , 11, (1996),1979-1986	

EXAMINER

*JK Eckert*

DATE CONSIDERED 1/31/05

Substitute for form 1448A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete if Known	
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		Group Art Unit	Unknown 2815
		Examiner Name	Unknown ECKER
Sheet 11 of 11		Attorney Docket No: 303.356US4	

<u>JKL</u>	YODER, M , "Wide Bandgap Semiconductor Materials and Devices", <u>IEEE Transactions on Electron Devices</u> , 43, (October 1996), 1633-1636	
<u>JKL</u>	ZHAO, X. , et al., "Nanocrystalline Si: a material constructed by Si quantum dots", <u>1st Int. Conf. on Low Dimensional Structures and Devices, Singapore</u> , (1995),467-471	
<u>JKL</u>	ZIRINSKY, S. , et al., "Electrical Resistivity of Amorphous Silicon Resistor Films", <u>Extended Abstracts of the Spring Meeting of the Electrochemical Society</u> , Washington, DC,(1971),pp. 147-149	

EXAMINER

*DR Elbert*

DATE CONSIDERED 1/5/05-

Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Complete if Known	
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		Examiner Name	Eckert, George
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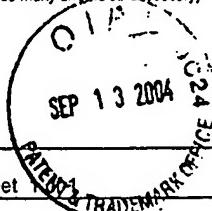
US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
92E	US-5,546,351	08/13/1996	Tanaka, T., et al.	10/20/1994
944	US-5,614,748	03/25/1997	Nakajima, H., et al.	07/10/1996
942	US-5,698,879	12/16/1997	Aritome, Seiichi, et al.	08/18/1995
946	US-5,738,731	04/14/1998	Shindo, M., et al.	08/31/1994
944	US-6,177,706	01/23/2001	Shindo, Masahiro, et al.	08/27/1997
924	US-6,249,020	06/19/2001	Forbes, Leonard, et al.	08/27/1998

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T <sup>2</sup>

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No'	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	

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 Sheet 1 of 1		Attorney Docket No: 303.356US4	

<b>US PATENT DOCUMENTS</b>						
Examiner Initial*	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
9K	US-5,366,713	11/22/1994	Sichanugrist, P., et al.	423	346	05/28/1993
9M	US-5,910,665	06/08/1999	Plumton, Donald, et al.	257	284	12/17/1996
9M	US-5,990,531	11/23/1999	Taskar, N. R., et al.	257	410	11/12/1997
9M	US-6,049,091	04/11/2000	Yokoyama, T.	257	52	06/30/1997
9K	US-6,166,768	12/26/2000	Fossum, , et al.	348	308	01/22/1997

<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T <sup>2</sup>

<b>OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials*	Cite No <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
9K		LANOIS, F., et al., "Angle Etch Control for Silicon Carbide Power Devices", <u>Applied Phys. Lett.</u> , 69, (July 1996),236-238				
9M		MADELUNG, O., "Semiconductors-Basic Data", Springer-Verlag, Second Revised Edition, ISBN: 3-540-53150-5,(1996),49-53				

EXAMINER

*9K Eckert*

DATE CONSIDERED 1/31/05